

MICROCOPY RESOLUTION TEST CHART



APPROVED FOR PUBLIC RELEASE DISTRIBUTION UNLIMITED

DSTZD REPORT NO. 85-R-03 AFPEA PROJECT NO. 84-P-142

AD-A163 121

CHII C. HWANG

Mechanical Engineer

AUTOVON 787-3120

Commercial (513) 257-3120

TEST AND EVALUATION OF PROTOTYPE M-16 WEAPONS CONTAINER

HO AFLC/DSTZ
AIR FORCE PACKAGING EVALUATION AGENCY wright-Patterson AFB OH 45433-5999

October 1985



85 12 2 152

TE FILE COP!

NOTICE

When government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related government procurement operation, the United States Government thereby incurs no responsibility whatsoever; and the fact that the government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto. This report is not to be used in whole or in part for advertising or sales purposes.

AFPEA PROJECT NO.: 84-P-142

TITLE: Test and Evaluation of Prototype M-16 Weapons Container

ABSTRACT

Hardigg Industries Inc. developed a polyethylene container for storage and shipping of M-16 weapons upon request from WR-ALC/DSTDS. Projected cost of containers is \$247.00 each in quantities of 1,000. This developmental effort is in response to the need for protecting M-16 weapons while in storage, transit, and/or in the field operation. Cost savings are estimated at \$6.29/weapon for each shipment with potential gross savings of \$2,031,500.00 for the Department of Defense.

S CRA&I

LTIC TAB

Ut announced

Justine tion

By

Did tibution /

Availability Codes

Availability Special

PREPARED BY:

CHIT HWANG Ch: Www.
Hechanical Engineer
ARPEA

REVIEWED BY:

RAUPH ZYNDA Chief, Design Branch JACK E. THOMPSON Chief. At Packaging

PUBLICATION DATE:

Evaluation Agency

13 NOV 1985

TABLE OF CONTENTS

	Page
ABSTRACT	i
TABLE OF CONTENTS	ii
INTRODUCTION	1
BACKGPOUND	1
PURPOSE	1
TEST GPECIMENS	1
TEST OUTLINE AND TEST EQUIPMENT	1
TEST PROCEDURE AND RESULTS	1
TEST NO. 1, INSPECTION (FIRST ARTICLE NO.1)	2
TEST NO. 2, LEAKAGE TEST	2
TEST NO. 6, SUPERIMPOSED-LOAD TEST	2
TEST (O. 1, INSPECTION	2
rest no. 2, Leakage Test	3
FUST NO.31, PRUE FALL DROP TEST (-20 DEGREE F)	3
TEST NO.36, FREE FALL DROP TEST (-40 DEGREE F)	4
TEST NO. 4, FREE FALL DROP TEST (+140 DEGREE F)	4
TEST NO. 5, LEAKAGE TEST	$\mathcal{L}_{\mathbf{i}}$
TEST NO. 6, SUPERIMPOSED-LOAD TEST	4
TEST NO. 7, LEAKAGE TEST	ä
IEST MO. 8, VIBRATION (REPETITIVE SHOCK TEST)	5
TURE TO P. DEAKAGE TEST	5

TABLE OF CONTENTS (Continued)

		Paye
TEST N	O.10, WATERPROOF TEST	5
TEST N	C.11, FINITE ELEMENT MODELING	5
TEST N	C.12, FINITE ELEMENT MODELING	5
FIT AND FUN	CTION TEST	5
conclusion.		6
RECOMMENDAT	ION	3
TABLE I, CO	NTAINER TEST PLAN	7
FIGURE 1,	EXTERIOR VIEW, 12-PACK M-16 WEAPONS CONTAINER	С
FIGURE 2,	INTERIOR VIEW, 12-PACK M-16 WEAPONS CONTAINER	9
FIGURD 2,	EXTERIOR VIEW, 6-PACK M-16 WEAPONS CONTAINER	9
FIGURE 4,	INTERIOR VIEW, STACKED CONTAINER	10
	SECOND PROTOTYPE M-16 WEAPONS CONTAINER WITH SECURITY BAR	10
	PAILURE OF SECURITY BAR ALLOWING UNAUTHORIZED REMOVAL OF WEAPONS	10
	FACES AND CORDERS NUMBERED FOR FREE FALL DROP SEQUENCE	11
FIGURE 8,	HOISTED H-13 CONTAINER FOR FREE FALL DROP TEST	12
FIJURE 9,	DISLODGED SCREW OBSERVED AFTER TEST NO. 3a	12
ejgues 10,	SUPERIMPOSAD-LOAD TEST	12
21308E 11,	LEAD UDIGHT USED IN SUPERINPOSE-LOAD TEST	13
PIGURE 12,	VIERATION DATA ACQUISITION AT THE FARLY	13
PT WEET 13,	VISRATION DATA ACQUISITION AT THE FINAL	13

TABLE OF CONTENTS (Continued)

	Paye
FIGURE 14, REDESIGNED SECURITY BAR OF M-16 WEAPONS CONTAINER	14
FIGURE 15, INTERFACE AREA BETWEEN THE REDESIGNED SECURITY BAR AND CONTAINER WALL	14
ATTACHMENTS	
ATCH 1, MINUTES OF CONTAINER REQUIREMENTS FOR	15
ATCH 2, FIRST ARTICLE INSPECTION REQUIREMENT	20
ATCH 3, MEMORANDUM OF AGREEMENT	26
ATCH 4, IOT&E FOR THE M-16 WEAPON PROTOTYPE CONTAINER	27
ATCH 5, CONTRACT FOR M-16 WEAPON PROTOTYPE CONTAINER (PART I, SEC B)	34
REPORT DOCUMENTATION PAGE (DD FORM 1473)	37
DISCRIBUCTOR LIST	3,:

INTRODUCTION

BACKGROUND: A container requirements conference for the M-16 weapon was hosted by WR-ALC/DSPS (Atch 1). The conference objective was to determine the interest/requirements for worldwide security protection of the M-16 rifle. The Air Force Packaging Evaluation Agency (AFPEA) was requested by WR-ALC/DSPS to perform a first article production qualification test on the new design of the weapons container (Atch 2).

٠

PURPOSE: The purpose of this project was to:

- a. Evaluate the container and determine its deficiencies.
- b. Make design changes, if applicable, to improve the performance of the container.
 - c. Test design changes and prepare an engineering report.

TEST SPECIMEN: Two each M-16 weapon containers were received at AFPEA for testing and evaluation. The containers were fabritated from a polyethylene material under contract No. F099650-84-C-0225 (Atch 5), by Hardigg Industries Inc., South Deerfield, Tass. The containers are designed with a security bar to contain either 12 or 6 M-16 rifles (Figures 1, 2, 3, and 4).

TEST DUTLINE AND TEST EQUIPMENT

Tests were conducted in accordance with the AFPEA container test plan Project No. 84-P-142, 22 April 1985 (Table I). Test methods and procedures used were Federal Test Method Standard (FTMS) No. 101 and Military Standard 648 (MIL-STD-648). Equipment used for the testing was as follows:

- a. Nater Manometer Meriam Instrument Company, Model No.
- BOEB25TH, with accuracy + 0.1 inch H20.
- 5. L.A.B. Corporation Vibration Machine, Serial No. 56801, type 5000-96P.
- c. General Electric Industrial Halogen Leak Detector, type 8:-25.
- d. High and low temperature environmental chambers equipped with a Honeywell electronic temperature recorder.
 - e. head weight and stee! plate.

TEST PROCEDURES AND RESULTS

INSPECTION (FIRST ARTICLE NO. 1)

TEST NO. 1: Two each containers, as received, were visually inspected. The exterior and interior surfaces, hardware, security bar, and container seal were inspected for manufacturing imperfections. The container was also checked for weight compliance and size.

RESULTS: Results of the visual inspection indicated excellent workmanship on the container. Tare weight of the container was 60 pounds. Size of the container was 44 1/4 x 24 x 17 1/2 inches. Results of the inspection are acceptable.

LEAKAGE TEST

TEST NO. 2: The pneumatic pressure test was conducted in accordance with FTMS No. 101, Method 5009.1. The test was performed at 0.5 psig. The failure criteria for the test was 0.025 psig during a 30-minute period.

RESULTS: At the end of the 30-minute pressure leak test period, the result was as follows:

Pressure loss during leak test, 0.0488 psig

The results of the test are not acceptable. However, it was agreed by WR-ALC/DSTDS and HQ AFLC/DSTZ to continue with test No. 5 to observe the structural properties of the container.

SUPERIMPOSED-LOAD TEST (STACKABILITY WITH DUNNAGE)

TEST NO. 6: The superimposed-load test was conducted in accordance with FTMS No. 101, Method 5016.1. The container was placed in a nigh temperature/humidity environmental chamber. A load of 1,440 pounds was equally distributed on the container. The temperature was stabilized at 120 degrees F and 90 percent relative humidity and the test was continued for a period of 168 hours. The container was observed for deflection, permanent deformation, and structural failure.

RESULTS: Visual inspection revealed deflection, permanent deformation, and structural failure in the walls of the container. A total of 1 3/4 inches permanent set is recorded for the test. The results of the test are not acceptable. The test was discontinued and the container was returned to the contractor for redesign.

INSPECTION (FIRST ARTICLE_NO._2)

TEST NO. 1: Two each redesigned containers were received from the contractor. Visual inspection was made of the exterior and interior surfaces, hardware, security bar, and container seal for manufacturing imperfections. The container was also checked for weight compliance and size.

RESULTS: Inspection revealed that the containers satisfactorily met the requirements specified in the contract. There was no visual damage to either of the two containers. Tare weight of the container was 68 pounds. Size of the container was 44 1/4 x 24 x 17 1/2 inches. It was noted that the security bar could be manually removed sufficiently to enable unauthorized access to the weapons (Figures 5 and 6).

LEAKAGE TEST

TEST NO. 2: The pneumatic pressure test was conducted in accordance with PTMS No. 101, Method 5009.1. The test was performed at 1.5 psig. The failure criteria for the test was 0.025 psig during a 30-minute period.

RESULTS: At the end of the 30-minute pressure leak test period, the result was as follows:

Pressure loss during leak test, 0.000 psig

The results of the test are acceptable.

FRUE FALL DROP TEST

TEST NO. 3a: The free fall drop test was conducted in accordance with FTMS No. 101, Method 5007, procedure B and E. The container was conditioned at -20 degrees F for more than four hours. Six flat drops were made to the faces and eight cornerwise drops were made to the corners of the container. The drop height was 16 inches (Figures 7 and 8).

RESULTS: Visual inspection revealed no damage to the container walls, ends, corners or hardware. However, one of four screws in the handle of the cover (right side of end 2) was dislodged (Figure 9). Inspection of the container interior revealed no damage to the weapons or to the security bar. Results of the test are acceptable.

THOT NO. 35: The free fall drop test was conducted the same as Test No. 34. However, the container was conditioned at -40 degrees For .ore than four hours before the free fall drop test was considered.

RESULTS: Visual inspection revealed no damage to the container walls, ends, corners, or hardware. However, it was much more difficult to close the container after the low temperature conditioning. There was inadequate clearance between the mating parts muching closure to allow for the temperature variation specified. Also, the hylon buttons that secure the elastic string became prittle and broke into several pieces. Results of the test are acceptable; however, the hylon buttons need to be replaced with a setter material.

1832 No. 4: The free fall drop test was conducted in accordance with FTMS No. 101, Method 5007, procedures B and E. The container was conditioned at +140 degress F for more than 4 hours. Six flat drops were made to the faces and eight cornerwise drops were made to the corners of the container. The drop height was 16 inches.

Wills, ends, corners or hardware. No damage was noted to the interior of the container or the weapons. Also, there was no closure problem. Results of the test are acceptable.

TRAKAGE TEST

TEST NO. 5: The same procedure was followed as used in TEST NO. 2.

MESULTS: At the end of the 30-minute pressure leakage test period, the result was as follows:

Fressure loss during leakage test, 0.015 psig

The results of the test are acceptable.

SUPERINPOSED-LOAD TEST (STACKABILITY WITH DUNNAGE)

TEST 10. 6: The superimposed-load test was conducted in accordance with FTMS No. 101, method 5016.1. The container was placed in a high temperature/humidity environmental chamber. A load of 1,440 pounts was equally distributed on the container. The temperature was stabilized at +120 degrees F and 90 percent relative humidity. The test was conducted for a period of 168 hours. The container was observed for deflection, permanent deformation, and structural failure (Figures 10 and 11).

RESULTS: Visual inspection revealed no damage to the container. Results of the permanent set was 1/3 inches. Results of the tast accessors table.

LEAKAGE_TEST

TEST NO. $\frac{7}{2}$: The same procedure was followed as used in Test No.

RESULTS: At the end of the 30-minute pressure leak test period the result was as follows:

Pressure loss during leak test, 0.024 psig

The results of the test are acceptable.

VIBRATION (REPETITIVE SHOCK TEST)

TEST NO. 8: The repetitive shock test was conducted in accordance with MIL-STD-648, Section 5.2.2 and FTMS No. 101, Method 5019.1. The container was placed on a L.A.B. Corporation vibration machine. The container was placed on, but not fastened to, the platform. Restraining blocks were attached to the platform to prevent the container from moving off the platform. A clearance of approximately 1/2 inch in all directions was used for the restraint blocks to allow free movement of the container during the 2-hour test period. With the container in position, the platform was vibrated until the container raised from the platform (1/16 inch teeler gauge clearance between bottom of the container and platform) for a maximum acceleration of 1 G.

RESCRIS: libral inspection revealed no damage to the container of to the weapons. There was a small amount of polyethylene dust on the bottom section of the container. The vertical vibration increased in amplitude at the end of the test as indicated in Figures 12 and 13. The results of the test are acceptable.

CEARAGE_PEST

The same procedure was followed as used in Test No. $\overline{\mathbb{R}^2}$

RIGUAT: At the end of the 30-minute pressure leak test period, the results were as follows:

Pressure loss during leak test, 0.018 psig

The results of the test are acceptable. However, the contractor agreed to redecryn the recurity bar according to the memorandum of agreement (Atch 1).

TEST NO. 19: Fest No. 10 was not performed due to nonavailability of equipment success the scheduled test period.

TEST NO. 11: Test No. 11 was not performed due to nonavailability of engineering drawings and data.

TEST NO. 12: Test No. 12 was not performed due to nonavailability of engineering drawings and data.

FIT AND FUNCTION TEST: The security bar was redesigned by the contractor (Figures 14 and 15). The first article No. 2 container was used to perform the test. A free fall drop test and a vibration test were performed in an ambient temperature.

RESULTS: The security bar was fully qualified by the 2750th Security Police Office to meet their security and closure requirements. The results of the structural performance of the container during the free fall drop and vibration tests are acceptable.

CONCLUSION: Qualification tests indicate that the overall structural performance of the container is acceptable for storage and shipment of the M-16 weapons. The nylon button used to secure the elastic string should be replaced.

RECOMMENDATION: Recommend that the initial operational test and evaluation (IOT&E) be held to evaluate field operations (Atch 4).

AIR FO	RCE PAC	KAGING	EVALUAT	ION AGE	NCY	AFPEA PROJE		
	-	Container T				84-P-142		
CONTAINER SIZE INTERIOR:		NCHES) ERIOR: 24" × 171	WEIGH	12 Pifles	10.45	QUANTITY 2	DATE 22 Apr 85	
TEM NAME	. 		A	MANUFACT		<u> </u>		
M=15 (a+16				hardig	g Industries			
ONTAINER NAME					CONTAINE	4 COST		
MEDRIANDER OF					1			
Park thilese	Rythma I dan	d Case						
ONDITIONING								
Amijent on a		<u> </u>					· r	
TEST REF STD AND TEST ME PROCEDU	ETHOD OR	TEST T	ITLE AND PAR	AMETERS		NTAINER NTATION	INSTRU- MENTATION	
ng pign								
	; - -	tisanlin titet.	opestion t	nefore sta	rt			
e session de la companya de la comp								
1 (1 - y 1) - 1 My - y 1 (1 - y 1)	·.		pressure 145 - ₅ 0) t niterīa to uter.	for 30 min	ute\$.		Manometer	
	* *							
t de la gradi		i i i i i i i i i i i i i i i i i i i	fromed at anops from tioned at the people of	om 16 inch -4 ⁰ F tou Stipy for	es. test.	-	N/A	
en e			o frat +14 14 depres	f. From	As requirest.		N/A	
		ested. T	· • • • • • • • • • • • • • • • • • • •					
. 4		is estimate	the with	01000	1			
			tibn on Thitten to tendent Distance	z eight ž afet. fast Saut fre	ar felt om	igid floor	Yes	
OMMENTS	1	, , . · · · ·	• • •		1			

AFALD 3 4

1

-	AIR FO	RCE P	ACKAGING I		ON AGE	NCY		AFPEA PROJ	ECT NUMBER
	ONTAINER SIZE	// V W V		WEIGHT	// BC)	CUBI	E (CU. FT.)	QUANTITY	DATE
	UNTAINER SIZE INTERIOR:		EXTERIOR: x 24" x 1712"		ITEM: 12 Rifle:		10.45	2	22 Apr 8
ITEM N	AME	43	X 24 X 17·2	108#	MANUFACT	1			
_	Rifle						lustries,	Inc.	
CONTA	INER NAME	 ,				1	CONTAINER	COST	
M-16	Weapon Cont	ainer					N/A		
	ESCRIPTION	omald	od 1950						
	ethylene Rot	.01.10 1 0	eu 15e	· <u> </u>					
	TIONING ent on as at	Sec. 1 + 1	ud in test						
TEST	REF STD	SPEC				1	CON	TAINER	INSTRU-
NO	PROCEDUR	THOD O	A TEST TO	TLE AND PAR	AMETERS		ORIEN	ITATION	MENTATION
	1 - 1 - Feb. 1	• • • • •	+d Feut)						
			*	z) or 16 w	hichever	is	Normal	position	Triaxial
•				not less t					Acceleromete
•		•							
	$\frac{1}{1}$, \cdot , \cdot	٠,,							
	· 	. Grand	f test						
	FE: = : T: = 1 Martin : : : : : : : : : : : : : : : : : : :	•	ASTM _O D 10 +100 F an	08-59T			N/A		N/A
	**************************************		+100 F an	а эо кп		1			
17	Timite Ell	ement_	Modeling for	Statics Ar	nalysis				}
	Max. stre	ss les		Simulation		or			CADS
	than work	ing	tests No.	3, 4, 8 5	;.	ľ			
	stress.								
12	Finite El	ement	Modeling for	Vibration	Analysis	-			
	Lowest na frequency	more	Computer Test No.	Simulation 6.	n Test fo	r			CADS
	than 5 (H	z).				Ì			
						-			
	1					į			
COMM	NTS			·		1			
J _ J	-		,						
PREPA	RED BY	hi	· 1 than	4	APPROVED	Вү			
CHII	C HHANG M	echani	cal Engineer	1	ל מסואם	VNDA	Chine	Docian Pra	

AFALD FORM, 4

ZINCA, Chief, Lesign Branch, AFPEA

8

PAGE 25

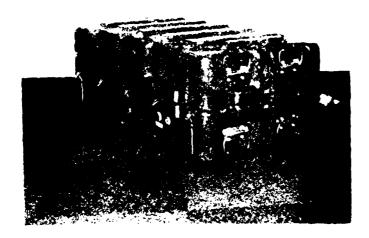


Figure 1 - Exterior view of 12-pack M-16 weapons container.

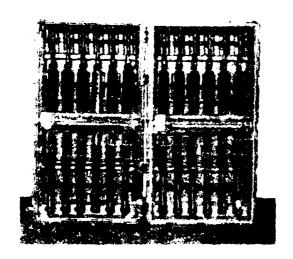


Figure 2 - Interior view of loaded 12-pack M-16 weapons container.

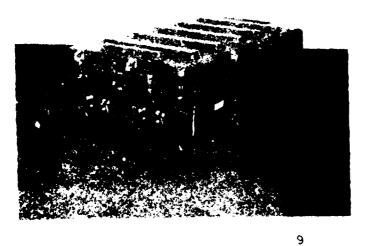


Figure 3 - Exterior view of 6-pack M-16 weapons container.

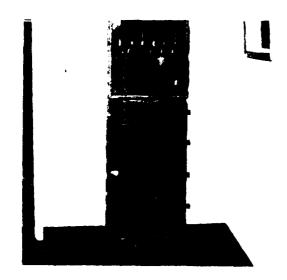


Figure 4 - Interior view of stacked M-16 weapons container.

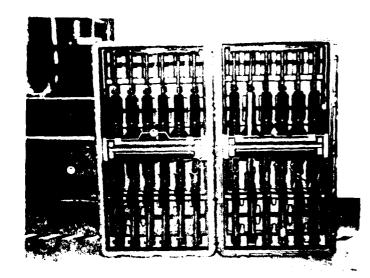
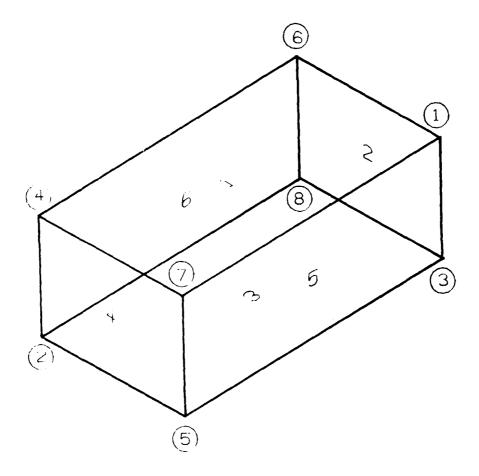


Figure 5 - Second prototype M-16 weapons container with security bar.



Figure 6 - Failure of security bar, allowing unauthorized removal of weapons.



l who / - cased and corners numbered for free
fill shop sequence.



Figure 8 - Hoisted M-16 container for the free fall drop test. This is a view of flat drop which is one of 14 drops required by the test procedure.



Figure 9 - A view of dislodged screw which is one of four screws to secure the handle of the cover (right side of end 2) of M-16 weapons container. The picture was taken after Test No. 3a.

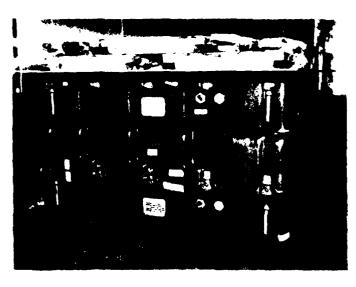


Figure 10 - A view of superimposed-load test.



Figure 11 - A view of lead weight equally distributed on the container for the superimposed-load test.



Figure 12 - Vibration data acquisition at the early stage of Test No. 8. Curve 2 shows the vertical vibration amplitude.

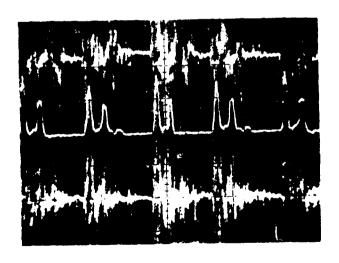


Figure 13 - Vibration data acquisition at the final stage of Test No. 8. Curve 2 shows the increased vibration amplitude.

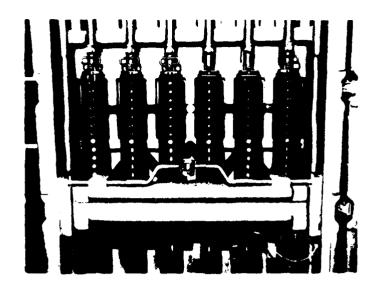


Figure 14 - Redesigned security bar of M-16 weapons container.



Figure 15 - Interface area between the redesigned security bar and wall of M-16 weapons container.

DEPARTMENT OF THE AIR FORCE HEADQUARTERS WARNER ROBINS AIR LOGISTICS CENTER (AFLC) ROBINS AIR FORCE BASE, GEORGIA 31098



DSPS (Ms Tackett/AV 468-3259/2771)

1 Dec 81

*.... Minutes of Container Requirements for M-16 Rifles Conference

see Distribution

- 1. A conference to address container requirements for M-16 rifles was convened at WR-ALC, Robins AFB GA, 13 Oct 81. The objective of the conference was to determine DOD container interest/requirements for complete management control and protection of M-16 rifles in order to mesh these requirements into a single fixture (container). A complete list of attendees is attached.
- 2. Introductory remarks were provided by Col Frederick C. Anderson, Director of Distribution, WR-ALC. Potential savings and improved handling, storage and inventory were discussed by Pearlie Tackett, WR-ALC, and security requirements were addressed by James Owens, Ft Belvoir VA. Except for a tour of the WR-ALC Weapons Storage Area, the remainder of the meeting was comprised of discussing unique requirements.
- 3. The deficiencies of the long life metal containers, which WR-ALC procured to house AF WRM weapons, were discussed. The deficiencies identified were excessive weight and cube, which WR-ALC has identified and taken action to correct on future buys. It was the consensus of opinion that issue from these containers under field conditions was not adequate and should be improved.
- 4. The attendees agreed that while accomplishing this objective would be complex, the potential DOD savings, in excess of 3.4 million dollars annually, fully justified the effort. Unique design features which were identified as being required included:
 - a. Compatibility with 463L and other transportation modes.
 - b. Capability of being locked, internally or externally.
 - c. Accessibility equal to the present security rack.
 - d. The ability to issue from a stacked configuration.
- c. Ready visibility. Degree of visibility not fully resolved. Visibility of fully enclosed weapons relative to other considerations to be further explored during coordination of Statement of Work (SOW) and technical evaluation of proposals.
 - f. Maximum quantity per pack of 12 each.
 - g. Musi include space for slings and clips.
 - h. Interchangeability between weapons desired.

- 1. Maximum cube utilization and minimum weight (capable of two man lift, = 200 pounds).
 - j. Visibility of serial number for inspection without removal.
- k. Environmental protection equal to Method lA (watervaporproof) of MIL-P-116.
- 1. Alternate plans for small quantity shipments will be included in the overall effort.
- 5. WR-ALC agreed to prepare a SOW for a container system which incorporates these features. The SOW will be coordinated with all concerned DOD elements.
- 6. Cost computations presented at the conference are attached. These computations do not include the savings to be realized from deletion of the requirement for separate security racks, reduced cube utilization during deployment, reduced depacking time during inspection/serialization and reduced rifle repair costs which will result from improved protection. The intangible benefits to be gained from accomplishing this objective, such as improved supply discipline and reduced waste disposal, were also discussed.
- 7. WR-ALC was informed that an OASD charter was issued in 1976 establishing Army as lead service to develop a container of this nature; however, the only active effort being pursued presently is to develop a security rack.

EDWIN P. FOUNTAIN

Ch, Pkg & Trnsp Spt Div

Directorate of Distribution

2 Atch

- 1. Cost Computations
- 2. List of Attendees/Distribution List

SHIPPING COST - PER RIFLE, PER IRIP

WOOD CONTAINER AND INSERTS: \$24.06 : 10 TRIPS	\$ 2.41
RECURRING COSTS, EACH TRIP: UNIT PRES & CONTAINER STRAP	\$69.72
TOTAL COST PER RIFLE: \$72.13 ; 10 EACH	
METAL CONTAINER: \$392.25 ÷ 100 TRIPS	\$ 3.92
RECURRING COSTS, EACH TRIP: DESICCANT & PRESERVATIVE	\$ 7.15
TOTAL COST PER RIFLE: \$11.07 ÷ 12	
SAVINGS PER WEAPON	

\$.923

\$6.23

\$ 140,103.46

22,274 WEAPONS X \$6.29

GROSS SAVINGS PER YEAR

322,973 WEAPONS X \$6.29

- DOD (EST)*

- AIR FORCE

\$2,031,500.10

\$7.213

*DOD ESTIMATE BASED ON RATIO OF 14.5 TO 1

MINITED ECTION

RANGE OF SAVINGS	\$ 50,683 - \$ 100,264 (AF)	\$734,160 - \$1,452,360 (MM)	\$2,031,500 \$1,452,360 \$3,483,960
QUANTITY INSPECTED	15,740	228,000	AIR FORCE \$140,103 \$100,264 \$240,367
INSPECTION PERCENTAGE	29	2 9	GROSS SAVINGS - SAVINGS PER SHIPMENT (ONE YEAR) - SAVINGS PER INSPECTION (ONE YEAR) TO
TOTAL ASSETS	262,319	3,800,000	GROSS SAVINES - SAVINGS PER - SAVINGS PER

ADDITIONAL SAVINGS NOT INCLUDED ABOVE:

- COST OF RACK
- REDUCED CUBE DURING DEPLOYMENT (DELETION OF RACK)
- REDUCED DEPACKING TIME

*SAVINGS WILL RANGE FROM \$3.22 FOR BAG REPLACEMENT ONLY TO \$6.37 FOR TOTAL RECURRING COSTS.

LIST OF ATTENDEES/DISTRIBUTION LIST

ORGANIZATION

NAME

AFALD/PTPD

Rick Adams

436 MAW/LGSMX, Dover AFB DE

SMS Tommie Maybin

HQ AFLC/SPT

Maj Frank Winkler

AFOSP/SPOL, Kirtland AFB NM

Capt Marshall Sanders

HQ U S Marine Corps

Capt G Polanco

Naval Weapons Spt Center

Terry O'Brian

Naval Civil Eng Lab

Bob Leek

HQ ARRADOOM

Anthony Buono

USA Military Police School

SFC Charles R Lowery

USA Armont Mtl Readiness Cmd

Joe Garnica

HQ ARRADCOM

Maj Robert A DeLaar

Cmdr, MERADCOM

James W. Owens

ARRADCOM

Paul Agresti

WR-ALC/MMI RDB

Joe Farmer

HQ AFRES/LGSO

Carlo Emilio

HQ AFRES/LGSOM

MSGT Glenn S. Gibbe

WR-ALC/DSPS

Jane Floyd

WR-ALC/DSPS

Pearlie Tackett

WR-ALC/DSPS

John Adams

ADDITIONAL DISTRIBUTION

HQ AFLC/LOZPP

NGB/LGS

HQ SAC/LGS

HQ MAC/LGS

HQ TAC/LGS

Marine Corp Logistics Base

WR-ALC/MMTICB (Jewel Akins)

WR-ALC/MMIME (Klon Waldrip)



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS WARNER ROBINS AIR LOGISTICS CENTER (AFLC) ROBINS AIR FORCE BASE, GEORGIA 31098

1 2 OCT 1984

ALPLY TO

DSTDS (Maloy, 3259)

Scarce Test Plan For M-16 Weapons Container

AFLC/DSTZ

- 1. A contract was recently awarded to Hardigg Industries Inc. for the procurement of a Category I container for the M-16 weapon. First Article is expected to be available for testing approximately 1 Mar 84 / / &\
- 2. Request a test plan be established IAW testing requirements specified in attached Item Description.

Ch, Pkg Mgmt Branch

Directorate of Distribution

1 Atch
Item Description

WORKMANSHIP: Container shall be clean and free from faulty construction or any defect which affects appearance, serviceability or durability.

the salient characteristics of this description, that it conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to acceptance.

ribility: The product will be subjected to and must pass all the test requirements prior to acceptance, stipulated in MIL-P-116 for Method II preservation and Appendix C. MIL-STD 794, except the test shall be applicable to small containers. Lesting will be accomplished by AFPEA, AFLC/DSTZ.

The requirements of this item description or failure to protect contents shall be cause for rejection. If the container fails in any individual inspection, acknowledge the container fails in acknowledge the container fails in any individual inspection.

Packaging, packing and marking shall be in a cordinate with normal commercial practice and shall assure acceptance by common carrier.

We describe the CREATER MATERIAL: Six model M-16s, one clip, one sling, and will be furnished to the contractor 30 days after award of contract.

1	FIRST ARTICLE INSPECTION REQUIREMENT
NS?	PART NO 11214-4094-300 DATE PREPARED 15 Feb 1984
test	As used in the following text first article includes preproduction models, preproduction testing or section, initial production samples, test samples, first lots, pilot models and pilot lots. Approval involves implied evaluating the first article for conformance with and evaluating the first article for conformance his specified contract requirements before or in the initial stage of production under a contract.
2.	Estimated time to deliver First Article (including testing time): 120 Days after receipt of
3.	First article sample quantity: 2 4. Estimated Evaluation Time 30 Days
5.	Preproduction Test Sample (First Article) Inspection Option (see blocks 7, 8, 9, and 10).
	a. At plant or approved testing laboratory witnessed by Government inspector and Warner Robins ALC engineer
	At plant or approved testing laboratory witnessed by Government/Inspectancertified ***********************************
	d. At Warner Robins ALC
٥.	Estimated cost for Government inspection/evaluation. \$ 2500.00
7.	Sovernment loaned equipment required: NO /YES X (Explain in remarks)
ô.	First Article shipping instructions:
	First Article and/or test reports together with all supporting documentation required by contract shall be sent to Warner Robbes AKKANSTPANX AFI.C/DSTZ.
	The snipping container and DD Form 250 shall be marked in the following manner.
	TO TEARSPORTATION Officer AFLC/DSTZ First Article(s) Submitted for MEMORY POLITICAL WILL SHE PULL STOCK SOUND AFBOIL Contract No: Link Rank OSHTEN 43433 DO NOT STOCK Elected Headling Clank/ FIRST ARTHOUGH
	At least 10 days prior to actual shipment of the first article(s), the contractor shall send a letter of notification of shipment to Warner Robins ALC, Robins AFB, GA 31098. The notification shall include the contract number, stock number, quantity of first article and method of shipment (including shipping document number, if possible).
7	Conditions for waiver of First Article requirements:
	First Art. He inspection is not required if contractor has previously manufactured the item, under a DOD contract which required first article or if contractor has qualified to more Domination.
	First article usup rotion is not required if item is procured from a contractor who has provided teem given instructed approval and 12 months have not elapsed since completion of a prior DOD contract.
	First article instruction is not required if the contractor is producing the item under a current LCD contract which required a first article.

Dispo:	sition	of approved First Article shall be as follows:
	a.	First Article Point of Acceptance will be Warner Robins ALC, with approved First Article to be retained by Warner Robins ALC for additional evaluation. AFLC/DSTZ, Wright Patterson AFB OH
/ 🐷	ъ.	First Article Point of Acceptance will be WENNERS SALE, with approved First Article to be forwarded to USAF supply.
	C.	Approved First Article will be returned to contractor's plant for reconditioning (if necessary), and use as a prototype or other purposes (if requested by contractor), with final acceptance at contractor's plant.
	d.	Approved First Article will be retained at contractor's plant for reconditioning (if necessary), and use as a prototype or other purposes (if requested by contractor), with final acceptance at contractor's plant.
	e.	*() preproduction sample(s) will be expended in testing: Residual Components will not be returned to contractor; First Article approval will also constitute acceptance.
	f.	First Article will be approved at Warner Robins ALD with *() samples (approved First Article) returned to contractor for use as testing standard and acceptance at contractor's plant. Point of acceptance for any remaining preproduction sample(s) will be Warner Robins ALC, with the samples retained by Warner Robins ALC for additional evaluation.
	g.	First Article approval by Warner Robins ALC will constitute final acceptance. First Article will be retained at Warner Robins ALC and forwarded to USAF supply after testing and evaluation is completed. Fit and function tests required at a military installation prior to final approval.
		,
11. Dispos	ition	of disapproved First Article shall be as follows:
XX.	a.	Disapproved First Article shall be returned to the contractor's plant.
	b.	Disapproved First Article will not be returned to contractor except at the option of the Government. (For example, one preproduction sample may be returned to contractor and one preproduction sample may be retained at Warner Robins ALC).
	s.	*() preproduction sample(s) will be expended in testing; residual components will not be returned to contractor.
* Inser	t que	ntity as appropriate
12. Option	al Cla	ause
	ā.	Reference "First Article approval" clause. Subparagraph (h) and/or (i) as appropriate, should be included in the contract.
13. Remar The Pack one slin	agin	g Support Section, WR-ALC/DSTDS, will furnish six model M-16s, one clip, and descriptive data on the modified M16A2, for use in designing container.
SIGNATURE		

•	FIRST ARTICLE INSPECTION REQUIREMENT
ī	PART NO 11214-4094-100 15 Feb 1986
s	As used in the following text first article includes preproduction models, preproduction testing or pection, initial production samples, test samples, first lots, pilot models and pilot lots. Approval involves ting and evaluating the first article for conformance with and evaluating the first article for conformance in specified contract requirements before or in the initial stage of production under a contract.
	Estimated time to deliver First Article (including testing time): 129 Days after receipt of
š.	First article sample quantity: 2 4. Estimated Evaluation Time 30 Days
, ,	Preproduction Test Sample (First Article) Inspection Option (see blocks 7, 8, 9, and 10).
	a. At plant or approved testing laboratory witnessed by Government inspector and Warner Robins ALC angineer
	b. At plant or approved testing laboratory witnessed by Chronical Action Continuous Cont
	c. At plant or approved testing laboratory witnessed by Government inspector; certified test report per MIL-STD-831 and First Article to be submitted to Warner Robins ALC
	d. At Warner Agilins ALC
5.	Estimated cost for Government inspection/evaluation. \$ 2500.00
7.	Government loaned equipment required: NO YES (Explain in remarks)
3.	First Article shipping instructions:
	First Article and or test reports cogether with all supporting documentation required by contract shall be sent to XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	The shipping container and DD Form 250 shall be marked in the following manner.
	TO INLEXXXXXXXXXXXXXX AFLC/DSTZ First Article(s) Submitted for XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	At least 10 days prior to actual shipment of the first article(s), the contractor shall send a letter of notification of shipment to Marner Robins ALC, Robins AFB, GA 31098. The notification shall include the contract number, stock number, quantity of first article and method of shipment (including shipping document number, if possible).
۹.	Conditions for waiver of First Article requirements:
	First Article inspection is not required if contractor has previously manufactured the item under a DOD contract which required first article or if contractor has qualified to Price On the core.
	First studies a section is not required if item is procured from a contractor who has previously open given first article approval and 12 months have not elapsed since completion of a prior POD contract.
	a. First which purportion is not required if the contractor is producing the item under a carrient SOD count act which required a first article.

10	. Dispo	sitio	n of approved First Article shall be as follows:
		a.	First Article Point of Acceptance will be Warner Robins ALC, with approved First Article to be retained by Warner Robins ALC for additional evaluation. AFLC/DST2, Wright-Patterson AFB OH
	, (23)	ъ.	First Article Point of Acceptance will be Marking Robins ATIC, with approved First Article to be forwarded to USAF supply.
		c.	Approved First Article will be returned to contractor's plant for reconditioning (if necessary), and use as a prototype or other purposes (if requested by contractor), with final acceptance at contractor's plant.
		d.	Approved First Article will be retained at contractor's plant for reconditioning (if necessary), and use as a prototype or other purposes (if requested by contractor), with final acceptance at contractor's plant.
		e.	*() preproduction sample(s) will be expended in testing: Residual Components will not be returned to contractor; First Article approval will also constitute acceptance.
		f.	First Article will be approved at Warner Robins ALD with *() samples (approved First Article) returned to contractor for use as testing standard and acceptance at contractor's plant. Point of acceptance for any remaining preproduction sample(s) will be Warner Robins ALC, with the samples retained by Warner Robins ALC for additional evaluation.
		g.	First Article approval by Warner Robins ALC will constitute final acceptance. First Article will be retained at Warner Robins ALC and forwarded to USAF supply after testing and evaluation is completed. Fit and function tests required at a military installation prior to final approval.
	·		
11.	Dispos	ation	of disapproved First Article shall be as follows:
		a.	Disapproved First Article shall be returned to the contractor's plant.
		b.	Disapproved First Article will not be returned to contractor except at the option of the Government. (For example, one preproduction sample may be returned to contractor and one preproduction sample may be retained at Warner Robins ALC).
		c.	*() preproduction sample(s) will be expended in testing; residual components will not be returned to contractor.
	* Inser	t qua	untity as appropriate
12.	Option	ial Cl	ause
		a.	Reference "First Article approval" clause. Subparagraph (h) and/or (i) as appropriate, should be included in the contract.
13.	Remar	ks	
			Support Section, WR-ALC/DSTDS, will furnish six model M-16s, one clip, descriptive data on the modified M16A2, for use in designing container.
6.00	A71:05		
3161	ATURE		

MEMORANDUM OF AGREEMENT

- 1. Hardigg Industries agrees to modify the cross bar to accommodate M16/A2 weapons. Metal locking device will be increased approximately one inch in length and the diameter of the metal locking device will be increased to 3/8 inch. The metal locking device will be further modified to accommodate a MIL-P-17802 pad lock.
- 2. One way lock-tight screws will be used to secure the handles to the containers.
- 3. M16 containers will remain at the Air Force Packaging Evaluation Agency (AFPEA) until modifications on the cross bar are completed. Hardigg Industries will then send modified cross bars to AFPEA for a fit and function test using the M16/A2 rifles. The test will include free fall drop test and vibration test at ambient temperatures.

normal Rotes

Date: 8-22-85

NORMAN ROBERTS HARDIGG INDUSTRIES

JERRY E. STUCKLY

WR-ALC/DSTD Robins AFB GA Date: 8-22-85



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS WARNER ROBINS AIR LOGISTICS CENTER (AFLC) ROBINS AIR FORCE BASE, GEORGIA 31098

1 9 FEB 1985

AFPERTO ATTNOOP

DSTD

North Contract

IOT&E for the M-16 Weapon Prototype Container

HQ AFLC/DSTZ
Wright-Patterson AFB OH 45433-5999

- 1. We contacted HQ AFTEC, per your recommendation, concerning test plan for the M-16 container. They advised that test plans for containers would not be in their area of responsibility. They, in fact, referred us to your office as OPR for testing of containers.
- 2. We have prepared a test plan (attached) that we feel will provide a good evaluation of this container and will identify any problems which may be encountered during field operations. Request you evaluate the plan and furnish your comments.
- 3. We have submitted a request to HQ TAC that they host the IOT&E. We desire participation by your office, as well as the other organizations listed on the test plan. Firm test dates and test sites will be furnished as they become available.

Chief, Packaging Management Branch Directorate of Distribution l Atch Test Plan

MITC - Lifetime of the Acrospace Team

INITIAL OPERATIONAL TEST AND EVALUATION (IOTE)

DATE: TBD

TEST TITLE: Initial Operational Test and Evaluation (ΙΟΓξΕ) of the

M-16 weapon long life shipping container.

WEAPON SYSTEM: M-16 Weapon

TYPE OF TEST: IOTGE

TEST LOCATION:

TEST DESCRIPTION: The major objective is to provide DOD with a long-life container for shipment, storage, deployment, inspection, issue, and security of M-16 weapons. This test will ascertain that the container meets all of the above requirements.

1. INTRODUCTION:

- a. BACKGROUND: The requirement has existed for a long time to provide a more efficient packaging technique for M-16 weapons. Serialization and inspection requirements for the M-16 make it necessary to continuously open and repack weapons. Further, mobility operations are hampered by the present requirement to deploy with weapons packed in bulky wooden containers in addition to adequate quantities of storage racks. The weapons are removed from the shipping containers and placed in the storage racks at the deployment site to meet security and issue requirements. This produces corrosion because of inadequate protection and doubles the cube utilization for already critical airlift capability during contingency operations.
- requirements and is economical and lightweight. Container is designed to protect, transport, store, inventory and issue twelve (12) M-16 rifles with slings and clips under world wide climatic conditions and under war and peace time operational Environments. The following maintainability design features are incorporated into the container to enhance support and minimize maintenance: Interchangeability of cover section; replacement of cover section with shallow lid; no special tools or hardware; positive positioning of cover section; hardware treated for corrosion prevention; continuous length seal; locking capability within each section; attachment of tamperproof seal on container exterior; visibility of serial numbers; easy removal of any weapon. Container will be primarily maintained at field level;

Rework or major repair may be accomplished above field level. The Development, Test and Evaluation (DTE) of this container will be conducted at the Air Force Packaging Evaluation Agency, Wright-Patterson AFB OH approximately 15 Mar 1985. Upon completion of DTE, IOT&E tests will be required.

2. CONCEPT OF TEST OPERATIONS:

a. PURPOSE:

The Initial Operational Test and Evaluation (IOTEE) team will assess operation suitability, reliability, maintainability, availability, and logistics supportability for the M-16 weapon container. This testing will support WR-ALC's decision to procure production quantities for the Air Force and recommendations for use throughout DOD.

b. OBJECTIVE:

The overall objective of the long-life M-16 container is to provide DOD with a container that will satisfy all user requirements.

The critical questions and issues to be addressed in evaluating operational effectiveness and suitability of this container are as follows:

- (1) Will the container provide environmental protection to the weapons in all weather conditions?
- (2) Are the container's reliability and maintainability adequate to meet its intended operational requirements given the planned level of resource support?
- (3) Can the weapons be adequately inspected without removal of weapons?

- (4) Will the container serve as a storage rack for issue of weapons during deployment/contingency operations?
 - (5) Does the container meet all security requirements?
 - (6) Can the container be stacked for storage?
- (7) Can most repairs be accomplished at field level, (i.e., replacement of latches, seals, humidity indicator, pressure relief valve, mounting brackets, handles, patch small holes in shell)?
- (8) Is the container compatible with 463L and standard (40 X 48) pallets?
 - (9) Is the container two-nan portable?
- (10) Is the container's functional use adaptable to field use and normal day-to-day activities? (armory and dining hall)
 - (11) Are container life cycle costs acceptable?
- (12) Will container convert to small container to accommodate small quantity shipments?
 - (13) Can single rifles be easily and safely removed?
 - (14) Can sections be locked with standard padlock?
 - (15) Can container sections be wall mounted?

c. SCOPE:

j

- (1) Validation Phase: The Development Test Evaluation
 (DTD) will be conducted at Air Force Packaging Evaluation Agency, WrightPatterson AFR OH.
- (2) Full-scale Engineering Phase: Engineering has been accomplished by Hardigg Industries and level I drawings will be procured for reprocurement purposes.

(3) IOTGE PHASE: IOTGE will be conducted after completion of DTE and will consist of team participation from the following activities:
WR-ALC Packaging; Air Force Packaging Evaluation Office; WR-ALC Technician;
Hq SAC; Hq TAC; Hq Security; Air National Guard; Marine Corps;

3. TEST METHODOLOGY:

- a. Suitability: Operational suitability will be assessed through military hands on ground operations during loading, unloading, storage (stacking), wall mounting; storage racks; security; issue and serial number inspection. To accomplish all aspects of the suitability evaluation, all equipment, procedures, and previous test results will be required. Limitations to fully accomplish the suitability evaluation will be identified to the test director and a determination made on the impact of accomplishing the suitability objectives.
 - b. Reliability: Reliability will be assessed as follows:
 - (1) Failure rate of latches.
- (2) Failure rate of the internal locking device to secure weapons.
- (5) Failure rate of the wall mounts to be mounted to provide a storage rack.

Refrability assessment will be accomplished by a combination of visual inspection and engineering analysis.

c. Maintainability: Maintainability will be assessed by determining the level of repair such as:

- (1) Ease of replacement of latches.
- (2) Ease of replacement of mounting brackets.
- (3) Ease of patching holes in container shell.
- (4) Ease of replacement of gasket
- (5) Ease of replacement of humidity indicator.
- (6) Ease of replacement of pressure relief valve.
- (7) Ease of replacement of mounting brackets.
- (8) Ease of replacement of handles.
- d. Availability and Logistical Supportability: Provisioning of spares and stock listing of containers will be accomplished subsequent to the IOTGE. User input will be required to determine total Air Force requirements. Compatibility of the weapons container with facilities, packaging, storage, transportation methods, and human factors will be assessed within these objectives.

SERVICE OF THE AIR FOLLS CONSTRUCTED THE AIR FOLLS CONTROL AIR FOLLS	DDER/OFF		TION/CONTRACT	1.22 b 27		1,180	MATING DU CHE		د. ⊌⊯ درل		eut i	10
TOURS OF THE COLOR COUNTY							1					
CONTRACTOR OF THE ATTE COURS AND A TOTAL TOTAL TOTAL TOTAL OF THE ATTE COURS AND A TOTAL T		•				i ak	10 3.14	UN + UN 1	T NEGLES!	10.		Dr 13301
STANDER MENT OF THE A REPORT OF CONTENT TO A DESIGNATION OF CONTENT OF CONT							100 000		PHILIPCIA	S. mer.		
MARKE BOORNES AND COUNTY OF THE PARK TH		NT OF THE AIR FO		1						806 SUMP. US		wc 8 9 9 5
SOLICITATION N/A S84 SEP 15 SOLICITATION N/A S84 SEP 15 SUMMER TO BE TAKENESS ON THE DESCRIPTION AND THE SERVICE S					_							.
SOLICITATION N/A SOLICITATION					므			•	۰۰ ليسيا	BOL PORL'S	AHEA CO	nc#885
SOLICITATION N/A S864 SEP 15 THIS TO BE CARROLLED FIND DELEGATION LAMBER TO BE CARROLLED FOR DELEGATION LAMBER TO BE CARROLLED FOR DELEGATION AND AND A SECOND DELEGATION CONTROLLED FOR DELEGATION TO THE ABOUT THE CONTROLLED FOR DELEGATION CONTROLLED FOR THE ABOUT THE CONTROLLED FOR DELEGATION CONTROLL					_			21 51AN	UAM:			
THAT TO BE AMERICAN CREEKING THE CONTRIBUTION CONTRIBUTION OF THE	JAER 7	CANN SMITH PMK.	91. 926 CIII	Samuel Control								
CONTROL MANCES CONTROL CONTROL CONTROL OF THE CONT	SOLICI	TATION N/A							196	4 SEP	1 5	
TO CHES IN SECTION AS THE DISCONSISTING PROPERTY AND PLANT PROBLEM OF THE PARTY OF		_										
CASSAM MARTINGO SOLICIAN AND ALL CONTROL OF	100000		egory I Contain									
SEE SCHOOLS SEE S		ACCEPTED BY THE GUVERNI	MENT IN THIS								C C C C	50701A
MARCON TRIBO COOT 102 STATE MATERIAL TO COOT 12214 2001 12214 2001 12214 2001 12214 2001 12214 2001 12214 2001 12214 2001 12214 2001 12214 2001 12214 1201 12214 1201 12214 1201 12214 1201 12214 1201 1201			•	L	96	MURPI	TY RD					
THE AND CONCINUES STATE METERS ACCOUNTED AND STREES INC HARDING TREAT IN DOTATRIES IN DOTA				1	HA	RTFORI	O CT 06114	1				
HANDIGG INDUSTRIES INC N MAIN ST SOUTH DEEPFIELD MA 01373 COMES - PRINTINGE IN DUSTRIES AND PULSUE ASSOCIATION OF THE PRINTINGE IN DUSTRIES AND PULSUE A												
HANDIGG INDUSTRIES INC N MAIN ST SOUTH DEEPFIELD MA 01373 COMES - PRINTINGE IN DUSTRIES AND PULSUE ASSOCIATION OF THE PRINTINGE IN DUSTRIES AND PULSUE A	RACTOR	077ERG# C001	11214 (38)						PAS .	NONE		co c
ACCOUNTING OND APPROACH OR SOUTH AND ACCOUNTING ON THE SEE SECTION G CONTINUED TO THE CONTINUE OF THE SECTION		L .										\$2202A
SOUTH DEERFIELD MA 01373 BOSTON MASSACHUSETTS 02210 LOGICLUS PRINTIPACE TO DIFFERENT AND PLY SUCH ADDRESS IN COTER TEXTPHONE TO THE CONTROL OF THE CONTRO			RIES INC	ł								
THE THE COPY THE NOTE OF STREET OF			MA 01373			-	-	TTS O	2210			
THE THE COPY THE NOTE OF STREET OF												
THE THE COPY THE NOTE OF STREET OF	٦											
ACCOUNTING AND ATTRIBUTED TO BOTH THE DOCUMENT AND RELIANS DESIGNATION OF SET SET OF CONTRACT OF STREET OF	CHECO IF I	REMITTANCE IS DIFFERENT A	NO PUT SUCH ADDRESS IN OF	****					1 000	4		
ACCOUNTING AND APPRICATION AND PLANTAGE AND DELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING THE REQUIRED TO BOTH THE LOCAL CHIEFT AND RELICAR STREETS TO THE SEE SECTION G CONTINUED OF CONTRACTION AND RESIDENCE AND OFFICE AND THE SECRET STREETS TO THE SEE SECTION G CONTINUED OF CONTRACTION AND RESIDENCE AND OFFICE AND OF					10 100	5 CONTR	461 WAL					
ACCOUNTING AND APPRICATION AND PLANTAGE AND DELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING AND APPRICATION AND RELICAR STREETS TO THE SEE SECTION G ACCOUNTING THE REQUIRED TO BOTH THE LOCAL CHIEFT AND RELICAR STREETS TO THE SEE SECTION G CONTINUED OF CONTRACTION AND RESIDENCE AND OFFICE AND THE SECRET STREETS TO THE SEE SECTION G CONTINUED OF CONTRACTION AND RESIDENCE AND OFFICE AND OF	NONE		•	1		Ov2 #1.51	10 A PURSU	ATEL ANT TO				
ACCOUNTING AND APPROPRIATION GATA SEE SECTION G CHARACTOR'S BEQUIESD TO BOTH TO SUCCESSIVE AND DETURN AS COPIES TO THE THREE AND CONTINUES AS TO THEMS AND CONTINU			•	tnv:CE\$			19	76				
ACCOUNTING AND APPROPRIATION OF GRAND AND DESCRIPTION AND RESTORMAN OF THE SECRET AND CHARGES SECTION G ACCOUNTING AND APPROPRIATION OF GRAND AND DESCRIPTION AND RESTORMAN OF THE SECRET AND CHARGES SECTION OF THE SECRET AND DESCRIPTION OF THE SECRET AND CHARGES SECTION OF THE SECRET AND DESCRIPTION OF THE SECRET AND CHARGES SECTION OF THE SECRET SECTION OF THE SECRET SECTION OF THE SECRET SECTION OF THE SECRET		\$55 50 HAD				ĺ						
ACCOUNTING AND APPRICATE TO BOTH 1 DOC WENT AND DETUNE BY THAN AND CONTRACT OF CONTRACT ON		326 301600	7.1			1						
ACCOUNTING AND APPROPRIATE ON BASE AND CONTRACTOR OF CONTRACT OF C						1						
OFFICIAL FILE COPY NAME DATE MASEP 15 WARNER ROBINS/ALC/RMK ACCOUNTING AND APPRICATION DATA SEE SECTION G CHINACTOR IS REQUIRED TO BOTH AND DECLIRENT AND RETURN S. COPIES TO 1535 UND OFFICE CONTRACTOR AGREES TO 7 JAMES AND LOOK OF THE ON TO 1541 UND 1545 UND OFFICE CONTRACTOR AGREES TO 7 JAMES AND LOOK OF THE ON TO 1550 UND OFFICE CONTRACTOR AGREES TO 7 JAMES AND LOOK OFFICE AS TO 175 UND 1550 UND OFFICE CONTRACTOR AGREES TO 7 JAMES AND LOOK OFFICE AS TO 175 UND 1550 UND OFFICE CONTRACTOR AND ADDITIONS OF CHANDES WE ARE SET TO THE TRANSA AND CONTRACTOR MARKET DATE OF THE OFFICE AS TO 175 UND 1550 UND THE TRANSA AND CONTRACTOR MARKET DATE OF THE OFFICE AS TO 175 UND 1550 UND		REMITTANCE ADDI	1655			ŀ	•				1	
ACCOUNTING AND APPROPRIET ON DATE SEE SECTION G CONTRACTOR IS BROWNER TO ABOUT AND OBJECT AND OBJECT TO SEE SECTION G CONTRACTOR IS BROWNER OPERITOR DATE AND OBJECT AND OBJE)				}					1	
OFFICIAL FILE COPY NAME DATE MASEP 15 WARNER ROBINS/ALC/RMK SEE SECTION G CONTRACTOR AGREES TO JUNEAU AND DETURN 5 CONTRACTOR AGREES TO THE TRANS BET TO THE TRANS AND CONTRACTOR SPECIFIED MANY CON		1						[[ļ	
OFFICIAL FILE COPY NAME DATE MASEP 15 WARNER ROBINS/ALC/RMK SEE SECTION G CONTRACTOR AGREES TO JUNEAU AND DETURN 5 CONTRACT TO THE TRANSPORT OF CONTRACTOR SHEELING AND AND CONTRACTOR SHEELING OF CONTRACTOR SHEELING SHEELING OF CONTRACTOR SHEELING SHEELING OF CONTRACTOR SHEELING SH								1 1			j	
NAME DATE BRASED 15 WARNER ROBINS/ALC/RMK ACCOUNTING AND APPROPRIATION DATA SEE SECTION G CONTRACTOR IS REQUIRED TO BOTH IT B DOC MENT AND RETURN S COPIES TO SECURITY OF A DOCTOR OFFICE ON THE SECURITY OF A DOCTOR AND ADDITIONS OF CHARGES WE POST ON OFFICE CONTRACTOR ADDITIONS OF CHARGES WE POST ON OFFICE ON THE SECURITY OF THE TRANS AND CONDITIONS SPECIFIED MERSIN MISSING OFFICE CONTRACTOR ADDITIONS OF CHARGES WE ADDITIONS OF CHARGES WE DOCTOR OF TRANS AND CONTRACTOR BREETS BURSED DEMONSTRUME OF OFFICE AS TO THEMS WARNER ROBINS/ALC/RMK SET SCOTION OF THE OFFICE						ĺ		1 1] .	177
NAME DATE BRASED 15 WARNER ROBINS/ALC/RMK ACCOUNTING AND APPROPRIATION DATA SEE SECTION G CONTRACTOR IS REQUIRED TO BOTH IT B DOC MENT AND RETURN S COPIES TO SECURITY OF A DOCTOR OFFICE ON THE SECURITY OF A DOCTOR AND ADDITIONS OF CHARGES WE POST ON OFFICE CONTRACTOR ADDITIONS OF CHARGES WE POST ON OFFICE ON THE SECURITY OF THE TRANS AND CONDITIONS SPECIFIED MERSIN MISSING OFFICE CONTRACTOR ADDITIONS OF CHARGES WE ADDITIONS OF CHARGES WE DOCTOR OF TRANS AND CONTRACTOR BREETS BURSED DEMONSTRUME OF OFFICE AS TO THEMS WARNER ROBINS/ALC/RMK SET SCOTION OF THE OFFICE						ヘビは	TOTAL	FII	F CO	DV	1	Á
WARNER ROBINS/ALC/RMK ACCOUNTING AND APPRICED TO BION THIS DOCUMENT AND RETURN B. COPIES TO SEE SECTION G CONTRACTOR IS REQUIRED TO BION THIS DOCUMENT AND RETURN B. COPIES TO 158U-IND OFFICE CONTRACTOR ADREST TO THANKS AND UNIVERS ALL TRANS BET FORTH OR OTHERWISE INSTITUTED ABOUT AND UN ART CONTINUATION BHEETS BURJECT TO THE TRANS AND CONDITIONS SPECIFIED HARBIN WILLIAM DESCRIPTION OF PRINTING OF PRINTING WARNER ROBINS/ALC/RMK \$27.675 OO 18 AWARC OF CUNIBACT TO JOIN OFFICE ON BOLIC TATION NUMBERS SHOUTH IN BUILD BAND TO BE ON THE SURFICE OF THE STREET OF THE ST						ן יט	IOIAL	ןי ין	L 00		1	
WARNER ROBINS/ALC/RMK ACCOUNTING AND APPROPRIATION DATA SEE SECTION G CONTRACTOR IS REQUIRED TO BOTH THIS DOCUMENT AND RETURN BY COPIES TO 1550-MO OPPICE CONTRACTOR AGREES TO FLAMING AND DECLAR AND THIS SET FORTH OR OTHERWISE INSERTING AND LONG AND AND CONTRACTOR AND TO MAKE TRANS SET FORTH OR OTHERWISE INSERTING TO THE TRANS AND CONTRACTOR MAKE CONTINUATION BHEETS SUBJECT TO THE TRANS AND CONTRACTOR MAKE CONTINUATION BHEETS SUBJECT TO THE TRANS AND CONTRACTOR MAKE CONTINUATION BHEETS SUBJECT TO THE TRANS AND CONTRACTOR MAKE CONTINUATION BHEETS SUBJECT TO THE TRANS AND CONTRACTOR MAKE CONTRACTOR MAKE OF CONTRACTOR OFFICER CONTRAC						NAI	MF 伏		DA		B4 SEI	15
SEE SECTION G CONTRACTOR IS REQUIRED TO SIGN I'M'S DOC MERT AND RETURN B. COPIES TO 1550 MORE CONTRACTOR AGREES TO PLANSM AND UTIVED ALL ITEMS SET FORM OR OTHERWISE IOMITIFIED ABOUT AND IN ART CONTINUATION BREETS SUBJECT TO THE TRAMS AND CONDITIONS SPECIFIED MERTING BEARD TO THE TRAMS AND CONDITIONS SPECIFIED MERTIN WE ARROUTE OF SIGNER TITTE OR PRINT. UATE SUMED WASHE OF CONTRACTOR OFFICER WASHE OF CONTRACTOR OF SIGNER TITTE OR PRINT. UATE SUMED WASHE TO THE MERCINES OF SIGNER TITTE OR PRINT. UATE SUMED WASHE TO CONTRACTOR OFFICER WASHE TO THE SIGNER TITTE OR PRINT. UATE SUMED WASHE TO CONTRACT THE SPRATLING WE ARROUTE SPRATLING CHARLOTTE SPRATLING								200	714101		T	
SEE SECTION G CONTRACTOR IS REQUIRED TO SIGN I'M'S DUCLIMENT AND RETURN B COPIES TO 1550 MARKE CONTRACTOR AGREES TO PLANSM AND URLIVER ALL ITSMS SET FOR I'M OR OTHERWISE CONTRACTOR AGREES TO PLANSM AND URLIVER ALL ITSMS SET FOR I'M OR OTHERWISE CONTRACTOR AGREES TO PLANSM AND URLIVER ALL ITSMS SET FOR I'M OR OTHERWISE CONTRACTOR AGREES TO PLANSM AND URLIVER ALL ITSMS SET FOR I'M ARE SET FOR I'M MERCING AND AND AND AND CONTRACTOR BREETS SUBJECT TO THE TRAMS AND CONDITIONS SPECIFIED MERCING SPE						WAI	KNFK	KUI	31 <i>1</i> 1/5/115	ALU/h	aivi K	
SEE SECTION G CONTRACTOR IS REQUIRED TO BION THIS DOCIMENT AND RETURN B COPIES TO ISSUING OPFICE CONTRACTOR AGREES TO PLANSM AND UNIVER ALL ITEMS SET FORM ON OTHERWISE INSTITUTE OR BOY AND IN ART CONTINUATION BREETS BUBILITY TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TEMPS OF PRIVACIONAL CONTRACTOR 28 UNIVER OF PRIVACIONAL CONTRACTOR 28 UNIVED STATES OF AMORIZA IS OFFICIAL OFFICER WAS OF CONTRACTING OFFICER WAS OF CONTRACTING OFFICER WAS OF CONTRACTING OFFICER CHARLOTTE SPRATLING 827.675 OO 10 AWARD OF CUNTRACT SHOWN IN BLOCK & INCLUDING ANY ADD TO NOT CONTRACTING OFFICER WAS OF CONTRACTING OFFICER CHARLOTTE SPRATLING 10 AWARD OF CUNTRACT AWARD OF CONTRACT AWARD OF CUNTRACT AWARD OF CUNT										•		
SEE SECTION G CONTRACTOR IS REQUIRED TO BION THIS DOCIMENT AND RETURN B COPIES TO ISSUING OPFICE CONTRACTOR AGREES TO PLANSM AND UNIVER ALL ITEMS SET FORM ON OTHERWISE INSTITUTE OR BOY AND IN ART CONTINUATION BREETS BUBILITY TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TERMS AND CONDITIONS PRECIFIED MERSIN TO THE TEMPS OF PRIVACIONAL CONTRACTOR 28 UNIVER OF PRIVACIONAL CONTRACTOR 28 UNIVED STATES OF AMORIZA IS OFFICIAL OFFICER WAS OF CONTRACTING OFFICER WAS OF CONTRACTING OFFICER WAS OF CONTRACTING OFFICER CHARLOTTE SPRATLING 827.675 OO 10 AWARD OF CUNTRACT SHOWN IN BLOCK & INCLUDING ANY ADD TO NOT CONTRACTING OFFICER WAS OF CONTRACTING OFFICER CHARLOTTE SPRATLING 10 AWARD OF CUNTRACT AWARD OF CONTRACT AWARD OF CUNTRACT AWARD OF CUNT											1	, s ⁴
SEE SECTION G S27.675 00 CONTRACTOR IS REQUIRED TO BION THIS DUCLIMENT AND RETURN B. COPIES TO JISSUING OFFICE CONTRACTOR AGREES TO FLANISH AND DELIVER ALL ITEMS SET FORTH OR OFFICE CONTRACTOR AGREES TO FLANISH AND DELIVER ALL ITEMS SET TO THE TEMMS AND CONDITIONS SPECIFIED HARBIN SPECIFIED HARBIN TO THE TEMMS AND CONDITIONS SPECIFIED HARBIN TO THE SPECIFIED HARBIN TO THE SPECIFIED HARBIN TO THE BUNGO SPECIFIED HARBIN THE BUNGO SPECIFIED HARBING OF CONTRACTING OFFICER CHARLEST OF BUNGO SPECIFIED HARBING OF CONTRACTING OFFICER CHARLEST OF BUNGO SPECIFIED HARBING OF CONTRACTING OFFICER CHARLEST OFFICER CHARLEST OF BUNGO SPECIFIED HARBING OF CONTRACTING OFFICER CHARLEST OFFICER	ACCOUNTING	AND APPROPRIATION DATA					रता पठास्त्राम	Assessed		1014. 444	AL MAGUA	- 12 mar - 201
ISSUED OFFICE CONTRACTOR AGREES TO PORTER AND UNIVER AL. ITEMS SET FORTH OR OFFICE CONTRACTOR AGREES TO PORTER AND UNIVER AL. ITEMS SET FORTH OR OFFICE CONTRACTOR AGREES TO PORTER AND UNIVER AL. ITEMS SET FORTH OR OFFICE CONTRACTOR AND UNIVERSAL CONTRACTOR BREETS SUBJECT OUT and OUT BIOMATURE OF OFFICE CONTRACTOR THE OFFICE CONTRACTOR AND UNIVERSAL CONTRACTOR OFFICE AND UNI	SEE SE	CTION G								\$27	.675 0	0
PORTING OR OTHERWISE CONTINUED AND AN ART CONTINUATION BIRETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HERSIN OUO1 and OUO2 BIRDATURE OF OFFICIAL CONTRACTOR FIN . MILLIP UATE SUBJECT SPECIFIED AND CONTRACTORS OF PRINT UATE SUBJECT SPECIFIED AS TO TRANS OUO1 and OUO2 TO THE TERMS AND CONTRACTORS SPECIFIED HERSIN OUO1 and OUO2 TO THE TERMS AND CONTRACTORS OF CONTRAC	CONTRAC	CTOR IS REQUIRED TO BION	48-01-18 OHA THEM, DEG 4 HT	5 COPIES 10			(T) knows	. B. DC+	4 -90, 30,96	441 ADD 110	NS OR CHA	
Sidenature or organization This Office of Biologia Tring on Paint United the Specific of Sidenature of Specific organization organization of Specific organization organi	DI FORTH C	OR OTHERWISE IDENTIFIED A	BOVE AND UN ANT CONTINUAT	ON BREETS SUBJECT		Ì	LAN SE		EREN IS ACC	EPIEC AS TO	118 MS	
Charlotte & Spratting ME AND PILE OF BIGHER THING OF PRINTS UNITED HAMB OF CONTRACTING OFFICER ONE PIGHED UNITED HAMB OF CONTRACTING OFFICER ONE PIGHED ONE				·					4 +	libo des cas		
MA AND PITE OF BIGHER TIPE ON PRINT. SATE BUNED HAMB OF CONTRACTING OFFICER STREET STREET	SHEAR TURE	TOPPERUALCONIACTOR	. 12.2	 			1.54		220	7	-	
HIN . MILLIP 4/11/84 CHARLOTTE SPRATLING Of Sep 14			Kein,		(nar	xula 1	1 8	yene	King.	2000	
9/11/84	= ~		í	1				NG		101	V	11
		ALE DRESIDENT	9/11/8	34	U 77.4			· · ·		84	see	773

THIS IS AN URCENT REQUIREMENT

Part I - The Schedule Section B Supplies or Services and Prices/Costs

within 35 days after receipt of first article.		Supplier			Unit Price						
P/N: Hardigg, P/N: 11214-4094-300 Appl: Category I Container	001		2332065								
Appl: Category I Container Ior M-16 Weapon in accordance with attached purchase description PR NR: F820540760763 PR LI: 0001 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 PGB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
lor M-10 Weapon in accordance with attached purchase description PR NR: FB205540760763 PR LI: 0001 POB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Covernment approval/disapp within 35 days after receipt of first article. 002 8145P1802342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 PCB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
accordance with attached purchase description PR NR: F8200540760763 PR LI: 0001 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Hilstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for H-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		Appl: Category I Container									
purchase description PR NR: FB200540760763 PR LI: 0001 FOB: Destination Quantity Variation: 0% Over 0% Under ACKN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Harding, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		for M-16 Wempon in									
PR NR: FB200540760763 PR LI: 0001 FOB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 0002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
PR LI: 0001 FOB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardisg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
FOB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Miletrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.00 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Covernment approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.00 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 07 Over 07 Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Covernment approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.00 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI				07 Over	0% Under						
PQA/Insp Site: Destination Acceptance: Destination (A) Government's required delivery schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI					0.0 0.1.001						
QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI 2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for H-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		PQA/Ines	p Site: Destinat	ion Accepta	nce: Destination						
2 EA 150 days ARO See Below Non-Milstrip First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 1002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	(A) Governme	ent's required de	livery schedu	le:						
First Article completed within 150 days. Government approval/disapp within 35 days after receipt of first article. 2 EA \$11,250.00 \$22,500.00 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for H-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	1	ו/ט צדס	ON OR BEFORE	SHIP TO	REQUISITION NR	PRI					
within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.0 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		2 EA		See Below	Non-Miletrip						
within 35 days after receipt of first article. 2002 8145P1602342065 2 EA \$11,250.00 \$22,500.00 Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI											
Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		First Article completed within 150 days. Government approval/disapprov									
Container P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container for M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI						ova i / d r a a bbt.					
P/N: Hardigg, P/N: 11214-4094-100 Appl: Category I Container						ovai/disappro					
Appl: Category I Container tor M-16 Weapon in accordance with attached purchase description PR NR: F8206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	0002	within 35	days after recei	pt of first a	rticle.	\$22,500.00					
tor M-16 Weapon in accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		within 35 81452160234	days after recei	pt of first a	rticle.						
accordance with attached purchase description PR NR: FB206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		₩ithin 35 8145P160234 Container	days after recei	pt of first a	rticle.						
purchase description PR NR: FB206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		within 35 8145P160234 Container P/Ni Hards	days after recei 42065 igg, P/N: 11214-	2 EA 4094-100	rticle.						
PR NR: FB206540760762 PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		within 35 8145P160234 Container P/N: Hard: Appl: Cate tor	days after recei 42065 igg, P/N: 11214- egory I Container M-16 Weapon in	2 EA 4094-100	rticle.						
PR LI: 0002 POB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		within 35 8145P160234 Container P/N: Hard: Appl: Cate tor	days after recei 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta	2 EA 4094-100 ched	rticle.						
FOB: Destination Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	1	within 35 8145P160234 Container P/N: Hard: Appl: Cate tor acce	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with attachase description	2 EA 4094-100 ched	rticle.						
Quantity Variation: 0% Over 0% Under ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	,	within 35 8145P160234 Container P/N: Hard: Appl: Cate tor acco pure PR NR: FB	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chave description 206540760762	2 EA 4094-100 ched	rticle.						
ACRN: AA PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		within 35 8145P160234 Container P/N: Hard: Appl: Cate tor acco pure PR NR: FB: PR LI: 000	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762	2 EA 4094-100 ched	rticle.						
PQA/Insp Site: Destination Acceptance: Destination (A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI	•	Within 35 8145P160234 Container P/N: Hard: Appl: Cate tor acco pure PR NR: FB: PR LI: 000 FOB: Dest:	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion	2 EA 2 EA 4094-100 ched	\$11,250.00						
(A) Government's Required Delivery Schedule: QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		Within 35 8145P160234 Container P/Ni Hard: Appl: Cate tor accc pure PR NR: FB: PR LI: 000 FOB: Deat: Quantity Vi	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion	2 EA 2 EA 4094-100 ched	\$11,250.00						
QTY U/I ON OR BEFORE SHIP TO REQUISITION NR PRI		Within 35 8145P160234 Container P/N: Hard: Appl: Cate for acco pure PR NR: FB: PR LI: 000 FOB: Dest: Quantity VA ACRN: AA	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion ariation:	2 EA 24094-100 ched	07. Under						
		Within 35 8145P160234 Container P/N: Hard: Appl: Cate for acce pure PR NR: FB: PR LI: 000 FOB: Dest: Quantity Va ACRN: AA PQA/Insp S:	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion ariation: ite: Destination	2 EA 4094-100 ched 0% Over	o7. Under						
2 EA 150 days ARO See Below Non-Milstrip		Within 35 8145P160234 Container P/N: Hard: Appl: Cate for acce pure PR NR: FB: PR LI: 000 FOB: Dest: Quantity Va ACRN: AA PQA/Insp S:	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion ariation: ite: Destination	2 EA 4094-100 ched 0% Over	o7. Under						
	(A	Within 35 8145P160234 Container P/N: Hard: Appl: Cate tor acce pure PR NR: FB: PR LI: 000 FOB: Deat: Quantity Va ACRN: AA PQA/Inap S:) Government	days after received. 42065 igg, P/N: 11214- egory I Container M-16 Weapon in ordance with atta chase description 206540760762 02 instion ariation: ite: Destination ent's Required De	2 EA 4094-100 ched 07 Over Accepta	07 Under nce: Destination	\$22,500.00					

0001 Option to purchase data 1 LO \$18,500

(FLIN A001) in accordance with Exhibit A attached

0004 Option to Purchase unlimited rights for

the M-16 Rifle containers

0004ΛΛ Option to Purchase Data 1 LO \$30,000

Righta

0004AB License to use U.S. 1 LO NSP

Patent No. 4,284,202.

Delivery Same as Item 0003

TOTAL.

\$27,675.00

SHIP TO/MARK FOR:

AFTC/DS12 .

Wright-Patterson AFB OH 45433

MARK/FOR

Contract: (See Face Sheet of Award)

Requisition Nr: (See Fach Item in Schedule)

B-10 CLAUSES AND PROVISIONS

- a. Clauses and Provisions from the Federal Acquisition Regulation (FAR) and the DOD FAR Supplement are incorporated in this document by reference and infull-text. Those incorporated by reference have the same force and effect as if they were given in full-text.
- b. Clauses or Provisions in this document will be numbered in sequence, but will not necessarily appear in a consecutive order.
- C. The contractor's Annual Representations and Certifications (Section K) and/or Section K of the solicitation, if any, preceding this contract are incorporated (IAW FAR 15.406-1(b)).

PART I - The Schedule Section E Inspection and Acceptance

E-34 INSPECTION AND ACCEPTANCE

Inspection and acceptance will be at destination(s) specified in Section "B" hereof. (AFLCO484)

E-35 DD FORM 1423 DATA INSPECTION AND ACCEPTANCE

The Inspection and Acceptance for Data Items are as shown on DD Form 1423 attached hereto (AFICD484)

			REPORT DOCUME	NTATION PAG	E			
18 REPORT SECURITY CLASSIFICATION				16. RESTRICTIVE MARKINGS				
Unclassified 28. SECURITY CLASSIFICATION AUTHORITY								
	i y classifii ione	CATION AUTHORITY		3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for public release				
		DOWNGRADING SCHED	ULE	distribut				
		IZATION REPORT NUM	BER(S)	5. MONITORING OR	IGANIZATION R	EPORT NUMBER	5)	
	84-P-14	ING ORGANIZATION	66, OFFICE SYMBOL	7a. NAME OF MONI	TORING ORGAN	IZATION		
		ackaying	(If applicable)					
Evalu	uation A	Agency	HQ AFLC/DSTZ					
6c. ADDRES	SS (City, State	and ZIP Code:		7b. ADDRESS (City,	State and ZIP Cod	ie)		
	FLC/DST2		15 (55 - 5000)					
wrigi	it-Patte	erson APS OH 4	15433-5999					
	F FUNDING/	SPONSORING	8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER				
	20 .0	1718 0 1 1	L	10 001/005 05 51/1				
SC. ADDRES	55 icity, state	and ZIP Code)		10. SOURCE OF FUI	PROJECT	TASK	WORK UNIT	
				ELEMENT NO.	NO.	NO.	NO.	
				į	}	1		
		ty Classification) aluation of M-	-16 Manner Co	ntainer				
			-10 Weapon Co.	icalifet		L	<u> </u>	
	val author C. Hwai							
13a, TYPE C		13b. TIME Co		14. DATE OF REPOR	RT (Yr., Mo., Day	15. PAGE C	OUNT	
Final			: <u>84 то Nov 85</u>	85-Nov	-15	40		
16. SUPPLE	MENTARYN	OTATION						
17	COSATI	CODES	18. SUBJECT TERMS (C.			(for hor black norm ha		
FIELD	GROUP	SUB. GR.	Polyethylen	e container	, superin	iposea-loa	d,	
			rough handl	ing, repeti	tive shoc	k, pneuma	tic	
			pressure					
		on reverse if necessary and						
Hardi	igy Indi	istries Inc.	geveloped a b	olyethylene	containe	er for sto	cage	
ana	snipping	y of M-16 wear tainers is \$24	ons upon req	uest Irom A	3-160/031 3-5-1-090	.us. Proj Dhis S	ecteo evelou-	
		ct is in resp						
in st	toraue.	transit, and	or in the fi	eld operati	on. Cost	savings	are	
in storage, transit, and/or in the field operation. Cost savings are estimated at \$6.29/weapon for each shipment with potential gross savings								
of \$2	2,031, 5	500.00 for the	e Department	of Defense.				
				,				
20 DISTRIE	SUTION/AVA	ILABILITY OF ABSTRAC	Т	21. ABSTRACT SECU	_	CATION		
UNCLASSIFIED/UNLIMITED 🗆 SAME AS RPT. 🗀 DTIC USERS 🚨				Unclassif	ied			
228 NAME OF RESPONSIBLE INDIVIDUAL				22b TELEPHONE NI		22c. OFFICE SYM	вог	
Chii C. Hwang				513-257-33		HQ AFLC	/DSTZD	

DISTRIBUTION LIST

DTIC/TSR Cameron Station Alexandria VA 22314	2
HQ AFLC/DSTZ Library	20
HQ AFLC/DSTP Aright-Patterson AFB OH 45433-5999	1
HQ USAF/LETT Wash DC 20330	1
OC-ALC/DST Tinker AFB OK 73145	1
CO-ALC/DST Hill AFB UT 84406	1
SA-ALC/DST Kelly AFB TX 78241	1
SM-ALC/DST McClellan AFB CA 95652	1
wR-ALC/DST/DSTD Robins AFB GA 31098	2 ea
ASD/AWL Wright-Patterson AFB OH 45433-5999	1
DLSIE/DRXMC-D USA Logistics Mgt Cen Ft Lee VA 23801	1
US AMC Packaging, Storage, and Containerization Center/SDSTO-T Tobynanna PA 18466	1
US Army Natick Gabs/DRDNA-EPS Natick MA 01760	1
WAVSUPSYS COM/SUP-0321/A Wash DC 20376	5
	5

DISTRIBUTION LIST (Continued)

US Army Armament Research & Development Command/DRDAR-TST-S Dover NJ 07801	1
GSA, Office of Engineering Mgt Packaging Division Wash DC 20406	1
HQ DLA/OWO Cameron Station Alexandria VA 22314	1
ASD/ALXP Gright-Patterson AFB On 45433-599	2
WR-ALC/MMI Robins AFB GA 31098	5
Commanding General/Fire Power Division Development/MCDE/Code 0091 Quantico, VA 22134-5080	2
Commanding General/Ordnance Br 833-2 Marine Corps Logistics Base Albany GA 31704	2.
HO AFLC/SP Wright-Patterson AFB OH 45433-5000	2
HQ AFLC/DE Wright-Patterson AFB OH 45433-5000	2
AFCSP/SPOC Kictland AFB NM 87117	1
HO US Marine Corps Installation and Logistics Dept Material Acquisition Spt Br Code LMA-1 Wash DC 20380	1
USA Military Police School ATTN: ATZN-MP-C Fort McClellan AL 36201	1
USA Armament Material Readiness Cmd DRSAR-LEPK	1

DISTRIBUTION LIST (Continued)

AFSC AD/YNEP Eylin AFE FL 32542	1
HQ ARRADCOM	2
ATTN: DRDAR-RAR	
Dover NJ 07801	

END

FILMED

3-86

DTIC